

Date: Thu, 23 Jun 94 04:30:25 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #199  
To: Ham-Equip

Ham-Equip Digest                    Thu, 23 Jun 94                    Volume 94 : Issue 199

Today's Topics:

    dual band ht recommendation ??  
    Dual Band Mobile Info Wanted  
        Kenwood TH-78A  
    MFJ-16010 ant tuner manual?  
    MICOR Channel Elements & Crystals for them  
        Need UNDERGROUND info source  
        Ni-Cad Packs  
        Standard HT Mods  
        TEMPO-ONE swap.

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 22 Jun 1994 12:12:15 -0400  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!torn!nott!cunews!  
freenet.carleton.ca!freenet3.scri.fsu.edu!freenet3.scri.fsu.edu!not-for-  
mail@network.ucsd.edu  
Subject: dual band ht recommendation ??  
To: ham-equip@ucsd.edu

I am planing to buy a dual band ht and would appreciate any info  
either pro or con on the following radios.

Alinco DJ-850t  
Icom IC-W21 AT  
Kenwood TH-78A  
Yaesu FT-530

I am considering using it with a full duplex phone patch and am also interested in extended receive coverage.

Thanks  
Bruce N4USH  
--

Bruce M. Marshall bmm1@freenet.fsu.edu voice 615 481 0990 fax 615 481 8039

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Date: 22 Jun 1994 15:15:46 GMT  
From: koriel!newsworthy.West.Sun.COM!cronkite.Central.Sun.COM!webrider!  
doc@ames.arpa  
Subject: Dual Band Mobile Info Wanted  
To: ham-equip@ucsd.edu

In article 414@ke4zv.atl.ga.us, gary@ke4zv.atl.ga.us (Gary Coffman) writes:  
> Since you already have an Alinco, you should look at the Alinco dual band  
> mobile rigs. I have a 570 and a 590, and both have been flawless performers.  
> The 570 has a great big hulking heatsink and an internal duplexer. The 590  
> has a dinky thermostatically controlled fan and individual band outputs.  
> I actually like the 570 better, but both have their good points. The newer  
> 599 and 600 are also supposed to be good.

Does the 570 have a removable faceplate? I'm looking for an economical  
dual-bander for motorcycle use and would require this feature. Unfortunately  
all of the nice new models cost more than I want to pay right now for this  
use.

Any other suggestions on older models (read less expensive :) that might  
meet this criteria? I'm not looking for bells and whistles, just a reliable  
dual-bander with a removable face plate.

Thanks,  
Steve

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-- Steve Bunis, Sun Microsystems \*\*\*DOD 0795\*\*\* 93-ST1100  
-- Itasca, IL \*\*\*AMA 682049\*\*\* \*\*\*STOC 008\*\*\*  
-- \*\*\*HRCA HM125617\*\* \*\*\*HSTA 5334\*\*\*  
-- \*\*\* N9VLP \*\*\* "This Space for Rent"  
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Date: 22 Jun 1994 17:51:40 GMT  
From: ihnp4.ucsd.edu!usc!sol.ctr.columbia.edu!news.cs.columbia.edu!  
news.columbia.edu!usenet@network.ucsd.edu  
Subject: Kenwood TH-78A  
To: ham-equip@ucsd.edu

I am about to purchase a handheld dual band radio. After looking at different models, I decided to buy a Kenwood TH-78A. Does anyone out there have any experience with this radio or with Kenwood products in general?

Thank you in advance.

--

Athos Facchi  
Academic Information Systems  
Columbia University

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Date: Wed, 22 Jun 1994 16:26:11 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!  
slay@network.ucsd.edu  
Subject: MFJ-16010 ant tuner manual?  
To: ham-equip@ucsd.edu

Greetings! I just aquired an MFJ-16010 (very) small antenna tuner made by MFJ from a friend. I was told that the tuner works only with balanced antennas (eg - gotta use a balun with a dipole, etc). The unit comes with SO-239 connectors. However, according to the AES catalog, this little item is supposed to be a "random wire tuner". hmmmmmmmmmm

Since I did not receive a copy of the manual, I'm wondering if some kind soul could enlighten me on the use/operation of this little gem? Perhaps even a copy (I'll pay of course) of the documentation - tho that is not an immediate necessity.

I'm hoping to use this with a small QRP rig I have.

Cheers & 73 de,  
Sandy WA6BXH/7J1ABV  
slay@netcom.com

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Date: 22 Jun 1994 18:24:00 GMT

From: newsgate.watson.ibm.com!watnews.watson.ibm.com!detschel.Berkeley.EDU!  
root@uunet.uu.net  
Subject: MICOR Channel Elements & Crystals for them  
To: ham-equip@ucsd.edu

With channel elements my experience has been it is best to send the whole thing to the manufacturers, then let them put the crystal in and 'compensate' the whole thing. They might have to change some components in the oscillator circuit to make the thing work correctly. I've done this with Jan and Crystek, and it added about ten bucks to the price + shipping. Of course this was a few years ago. I think ICM does the same thing.

Bill Detschel                  N2IPK

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Date: Wed, 22 Jun 94 17:25:09 PDT  
From: ihnp4.ucsd.edu!sdd.hp.com!portal.com!portal!cup.portal.com!  
amc@network.ucsd.edu  
Subject: Need UNDERGROUND info source  
To: ham-equip@ucsd.edu

Where can I get underground information fro stuff like:

Modifying a HT to transmit out of band, on any (or alot of) freqs?

Re-programing the electronic serial number of a cellular hand held?

Other interesting projects.

Please email.

Thanks

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Date: Wed, 22 Jun 94 23:40:38 GMT  
From: ihnp4.ucsd.edu!pacbell.com!well!barrnet.net!ccmail.com!  
Gary.Lau@network.ucsd.edu  
Subject: Ni-Cad Packs  
To: ham-equip@ucsd.edu

In article <CrFw1.J33@tc.fluke.COM>  
borst@tc.fluke.COM (Ron Borst) writes:

> If this question has been asked recently, please excuse my lack  
> of attention.

>  
> Question: Does anyone have any experience with 'Periphex' or any of the  
> other after market Ni-Cad battery packs for HT's? They are about half  
> the price of the radio manufacturer's packs and that's hard to ignore  
> unless the 'you get what you pay for' rule applies here?  
>  
> Any experience or recommendations, comments, or advice would be  
> appreciated.

I've purchased and used packs from W&W Associates in New York on my Yaesu FT-470 and 33R HTs. They offer packs that are a direct replacement in both physical size and capacity (i.e. I don't have to buy another radio case to fit a non-Yaesu battery :-). It works for me....

Gary Lau  
cc:Mail, a division of Lotus Development Corporation  
Internet: glau@ccmail.com  
Amateur : N6MMM @ NOARY.#NOCAL.CA.USA.NOAM

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Date: 22 Jun 1994 19:35:29 GMT  
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!news.aero.org!news2.aero.org!  
greenberg-t.aero.org!user@network.ucsd.edu  
Subject: Standard HT Mods  
To: ham-equip@ucsd.edu

Does anyone know of modifications for the Standard 288A 220mhz HT to extend the receive coverage beyond the factory set 250mhz upper limit? Tnx for the help.

73  
Steve WA6TAF.

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Date: Wed, 22 Jun 94 11:26:54 EST  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!slacc.com!  
wbrco@network.ucsd.edu  
Subject: TEMPO-ONE swap.  
To: ham-equip@ucsd.edu

-=> Quoting Internet: Nds@world.std.com to \*\* All \*\* <=-

IN> I've got a Tempo-One I want to swap for something worth 50 bucks and

IN> radio related. The radio basically works, although it needs a good  
IN> tweaking.

You didn't say what accessories come with it, or if it's a black or silver unit. I am however, interested. How radio related does the trade have to be? All I've got right now is PC stuff.

Allen  
N0GOM

... I can't fix a radio that's older than I am! What would people think!  
--- Blue Wave/QWK v2.12 OS/2

SLACC STACK BBS - St. Louis, Missouri  
The bulletin board service of the St. Louis Area Computer Club

+1 314.367.1903

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Date: 22 Jun 1994 19:10:31 GMT  
From: ihnp4.ucsd.edu!agate!kennish@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <CrovAy.Mo3@lila.com>, <1994Jun21.125918.2510@hnrc.tufts.edu>, <linleyCrsFF2.D44@netcom.com>  
Subject : Re: (Rechargeable) Alkalines vs NiCads?

In article <linleyCrsFF2.D44@netcom.com>,  
Bruce James Robert Linley <linley@netcom.com> wrote:  
>In ye olden post jerry@hnrc.tufts.edu (Jerry Dallal) spake...  
>>  
>>Many HT's (all?) recommend against using rechargeables in the alkaline  
>>battery packs. The reason, I'm told, is that should the NiCads be  
>>shorted out, the worst case scenario includes an explosion.  
>>The alkalines, the story continues,  
>>wouldn't dissipate their charge as quickly and are, therefore, safe.  
>>How do the renewable alkalines fit into this picture? Are they as safe to  
>>use in HT's as ordinary alkalines?  
>  
>What?! I haven't heard of anything like this. I have a BP-90 AA battery pack  
>for my Icom W2A with NiCads in it. The manual expressly allows this. Perhaps  
>you are thinking of the warning about using an external power supply with  
>the HT while the battery pack has \_alkaline\_ batteries in it. This can lead  
>to heating, leaking, or even a battery explosion. Never use the external  
>power while your HT has any kind of non rechargeable batteries in it.  
>  
Renewal Bashing (mostly accurate) deleted.

Yaesu specifically warns in BIG LETTERS that you should NOT put NiCd batteries in alkaline AA cases (though I do it all the time.) Their explanation is that the AA cases lack the "necessary thermal and overcurrent protection in case of a short" and may be an explosion or fire hazard.

OK, they are protecting their own battery pack business.

BUT, there IS some truth to this. I have a Yaesu FT-530, with the FBA-12 AA case. Those that use this beware:

Most NiCd cells use the printed jacket as insulation. That is, the entire can is the negative terminal, with an insulator near the top of the battery separating the positive terminal from the can.

The printed label on many cells (especially the cheap ones) is made out of flimsy plastic which has an annoying tendency to rip, come off, or just plain fall apart. This leaves parts of the can exposed.

The FBA-12 is a clamshell type design, where 3 cells are inserted on each half. Now, if parts of the cans of the cells are exposed, and you put the clamshell together, it is possible to short two cans, thus shorting out the cells inbetween the two shorting cells.

Good NiCds can put out tremendous currents, and if left shorted, will at least destroy the cells from internally generated heat, may vent caustic solution, or explode.

My solution: Out of a thin piece of plastic (overheads work well), I cut out a square that fits snugly inbetween the two halves. The current is carried between the halves using a lip, so the sheet doesn't get in the way. This way, the two halves are isolated and the shorting problem is alleviated.

So, although the manufacturers are being paranoid (lawyer bait), there is some truth in this allegation.

I suppose that alkalines can have the same failure, but you usually end up throwing them away before the plastic wears away, and they don't have the high short circuit current problem.

-Ken

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Date: 22 Jun 94 09:12:17 -0500  
From: ihnp4.ucsd.edu!agate!cat.cis.Brown.EDU!noc.near.net!news.tufts.edu!

news.hnrc.tufts.edu!jerry@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <2u2h61\$1m0@search01.news.aol.com>, <CrovAy.Mo3@lila.com>, <linleyCrsFF2.D44@netcom.com>ws.hnrc.  
Subject : Re: (Rechargable) Alkalines vs NiCads?

In article <linleyCrsFF2.D44@netcom.com>, linley@netcom.com (Bruce James Robert Linley) writes:

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>>

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> you are thinking of the warning about using an external power supply with  
> the HT while the battery pack has \_alkaline\_ batteries in it.

I don't make this stuff up. It only reads like I do!

It must vary from manufacturer to manufacturer. When I was in the market for an HT and had narrowed down my choice to the Yaesu FT-530 and the Standard C558A, I spent an hour at HRO reading both manuals cover to cover. Both had prohibitions against the use of rechargeables. The C558A manual (page 6), under Suitable Batteries, says:

Size AA magnesium batteries  
Alkaline batteries  
Do not use size AA nickel-cadmium batteries

The business about the alkalines being slower to dissipate their charge in the case of a short was the (possibly garbled in the retelling) explanation given by one of the people at HRO.

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End of Ham-Equip Digest V94 #199  
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